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ATTORNEY DOCKET NO. 14114.0327U2  
PATENT

#37!  
Amend-G  
9.26.03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Fields *et al.*

Serial No. 09/171,432

Filed: November 23, 1998

For: ANTIGENICALLY REACTIVE  
REGIONS OF THE HEPATITIS A  
VIRUS POLYPROTEIN

Group Art Unit: 1648

Examiner: Zechariah Lucas

Confirmation No. 8029

ex. note - should Cl. 1  
be cancelled?

AMENDMENT AND RESPONSE TO OFFICE ACTION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer No. 23859

Sir:

This is responsive to the Office Action dated April 8, 2003 issued regarding the above-referenced patent application. A Request for Extension of Time is filed herewith. Please amend the above-referenced application as follows.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 8 of this paper.

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**Amendments to the Specification**

Please replace the paragraph on page 7, lines 8-14, with the following paragraph.

Y1 -- In yet a further embodiment, the immunogenic HAV peptides comprise an amino acid sequence substantially similar to a portion of the P3B protein of HAV corresponding to amino acids 1497 to about 1519. Such immunogenic peptides bind to an antibody specifically immunoreactive with a peptide selected from the group consisting of

HGVTKPKQVIKLDADPVESQ (YK-1374), (Seq. I.D. 66); and conservative variations thereof. --

Y2 Please replace the paragraph on page 25, lines 13-16, with the following paragraph.

-- Where the proteins are made by automated chemical synthetic procedures, concatamers of peptides can be coupled directly. This is performed chemically by joining peptides using standard chemical methods. Alternatively, a polynucleotide can be synthetically produced which encodes multiple immunogenic peptides. --